

EAST SEARCH

5/31/2007

L#	Hits	Search String	Databases
S8	1	S7 and (throttle near2 setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S2	34	S1 and (turbocharger with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S9	1	S7 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S10	4	S7 and (model\$3 with (turbocharger or (turbine near2 stage)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S7	113	S2 or S3 or S6	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S3	49	S1 and (turbocharger same (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S6	113	S4 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S5	4854	S1 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S4	1861	S1 and (turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S1	102852	gas turbine or "jet engine" or (locomotive near2 "diesel engine")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S11	118918	(gas near2 turbine) or (steam near2 turbine)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S12	2968	S11 and turbocharger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S13	6536	S11 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S14	148	S12 and S13	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S15	0	S14 and (throttle near2 setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S16	0	S14 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S17	6	S14 and (throttle with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S18	102879	gas turbine or "jet engine" or (locomotive near2 "diesel engine")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S19	34	S18 and (turbocharger with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S20	49	S18 and (turbocharger same (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S27	150	S14 or S24	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S21	1861	S18 and (turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S22	4854	S18 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S23	113	S21 and S22	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S24	113	S19 or S20 or S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S25	1	S24 and (throttle with setting)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S26	6	S24 and (throttle with position)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S28	6	S27 and (model\$3 with (turbocharger or (turbine near2 stage)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S29	3	S27 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S30	13	S27 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S31	29	S27 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S32	4	S27 and (natural near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S35	0	S27 and (vane near2 vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S36	2	S27 and (fabricat\$3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S37	1	S27 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S33	2	S27 and (vane near2 excitation)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S34	3	S27 and (excitation near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S38	4	S27 and (fabricat\$3 with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S39	13	S27 and (blade with (configuration or material or composition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S40	14	S27 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S41	2	S27 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

S42	86	S17 or S19 or S20 or S25 or S26 or S28 or S29 or S30 or S31 or S32 or S33 or S34 or S36 c	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S44	7	S42 and (S28 or S29)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S43	6	S42 and S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S45	13	S42 and S30	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S46	29	S42 and (S31 or S32 or S33 or S34 or S37)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S47	2	S42 and S41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S48	4	S42 and S38	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S49	2	S42 and S36	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S50	26	S42 and (S39 or S40)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S51	96313	gas near2 turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S52	4971	S51 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S53	64	S52 and (throttle near2 (setting or position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S54	20	S52 and (model\$3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S55	28	S52 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S56	238	S52 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S57	474	S52 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S59	103	S52 and ((vane or blade) with (vibration or excitation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S58	78	S52 and ((natural or resonan\$2) near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S60	154	S52 and (fabricat\$3 with ((turbine near2 stage) or turbine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S61	6	S52 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S63	483	S52 and (blade with (configuration or material or composition))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S64	219	S52 and (blade with configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S65	312	S52 and (blade with material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S66	41	S52 and (blade with composition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S67	341	S52 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S62	25	S52 and (excitation with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S68	2	S52 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S69	310	S53 or S54 or S55 or S58 or S59 or S61 or S62 or S66 or S68	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S70	1377	S56 or S57 or S60 or S64 or S65 or S67	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S71	210	S69 and S70	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S72	310	S69 or S71	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S80	78	S74 and ((natural or resonan\$2) near2 frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S78	238	S74 and (rotation near2 speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S82	154	S74 and (fabricat\$3 with ((turbine near2 stage) or turbine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S91	1377	S78 or S79 or S82 or S85 or S86 or S88	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S97	5	S74 and (rotation near2 speed) with throttle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S98	4	S93 and S97	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S85	219	S74 and (blade with configuration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S94	45	S93 and (S76 or S77)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S81	103	S74 and ((vane or blade) with (vibration or excitation))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S79	474	S74 and (excitation or vibration)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S77	28	S74 and (model\$3 with (blade or (nozzle near2 vane) or vane))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S75	64	S74 and (throttle near2 (setting or position))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S73	96313	gas near2 turbine	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S84	25	S74 and (excitation with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S86	312	S74 and (blade with material)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S87	41	S74 and (blade with composition)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

S95	6	S93 and S83	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S92	210	S90 and S91	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S83	6	S74 and (harmonic with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S93	310	S90 or S92	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S76	20	S74 and (modelS3 with (turbine near2 stage))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S88	341	S74 and (number with (vane or nozzle))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S89	2	S74 and (prime near2 number)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S74	4971	S73 and (turbine near2 stage)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S96	2	S93 and S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S90	310	S75 or S76 or S77 or S80 or S81 or S83 or S84 or S87 or S89	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S99	79	S73 and ((rotation near2 speed) with throttle)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S101	3	S93 and ((diesel near2 engine) with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S102	10	S93 and ((combustion near2 engine) with turbocharger)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S100	16	S73 and ((rotation near2 speed) with (throttle near2 (position or setting)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S103	12	S101 or S102	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S126	0	turbocharger same (campbell near2 diagram)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S115	7	S111 and (natural with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S108	41	S105 or S106 or S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S114	8	S111 and ((excitation or vibration) with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S113	6	S111 and (blade with (excitation or vibration) with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S112	7	S111 and (blade with (excitation or vibration))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S111	227	S109 or S110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S110	42	(turbine or turbocharger) with vane with (model or modeled or modeling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S109	194	(turbine or turbocharger) with blade with (model or modeled or modeling)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S124	392	S120 and (natural with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S104	1780	diesel engine same turbocharger	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S119	67	S104 and ((turbine or turbocharger) with blade)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S120	38262	(turbine or turbocharger) with blade	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S107	7	S104 and ((throttle near2 setting) with (turbine or turbocharger) with speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S125	40	S123 and S124	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S121	1	S119 and (blade with (excitation or vibration) with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S106	29	S104 and ((throttle near2 setting) with speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S117	17	S112 or S113 or S114 or S115 or S116	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S116	8	S111 and ((fabricating or fabricate or fabricated or fabrication) with (turbocharger or turbine))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S105	41	S104 and (engine with (throttle near2 setting))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S122	1	S119 and ((excitation or vibration) with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S118	57	S108 or S117	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB
S123	81	S120 and (blade with (excitation or vibration) with frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB

10762396

James Heilenbach et al.

EAST SEARCH

5/31/2007

Results of search set S91:

Document Kind Codes Title
US 20060184255 A1 Adaptive sensor model
US 20060180420 A1 Vibration dampers

Issue Date Current OR Abstrad
20060817 700/44
20060817 188/378

US 20060177314 A1	Turbine rotor blade and turbine	20060810 416/219R
US 20060127221 A1	Turbine moving blade	20060615 416/222
US 20060126902 A1	Surface roughness measuring method and apparatus and turbine deterioration diagnostic me	20060615 382/108
US 20060118215 A1	Precipitation hardened martensitic stainless steel, manufacturing method therefor, and turbine	20060608 148/607
US 20060104818 A1	Blade	20060518 416/232
US 20060096455 A1	APPARATUS AND PROCESS FOR POWER RECOVERY	20060511 95/269
US 20060086090 A1	Vibration limiter for coaxial shafts and compound turbocharger using same	20060427 60/612
US 20060086078 A1	Universal Carnot propulsion systems for turbo rocketry	20060427 60/226.1
US 20060081701 A1	Method and apparatus for verifying connectivity of an instrumentation system	20060420 235/380
US 20060078422 A1	Method for modifying gas turbine nozzle area	20060413 415/191
US 20060067830 A1	Method to restore an airfoil leading edge	20060330 416/229R
US 20060030450 A1	Hybrid vehicle formed by converting a conventional IC engine powered vehicle and method o	20060209 477/3
US 20050274112 A1	Fatigue failure diagnostic method of turbocharger and fatigue failure diagnostic apparatus for	20051215 60/602
US 20050254940 A1	Blade arrangement	20051117 415/170.1
US 20050196278 A1	Turbine blade arrangement	20050908 416/97R
US 20050194363 A1	MULTI-LASER BEAM WELDING HIGH STRENGTH SUPERALLOYS	20050908 219/121.64
US 20050135932 A1	Turbine blade	20050623 416/97R
US 20050126182 A1	Hybrid microturbine for generating electricity	20050616 60/791
US 20050126171 A1	Uncoupled, thermal-compressor, gas-turbine engine	20050616 60/645
US 20050111975 A1	Method for assembling gas turbine engine components	20050526 416/96R
US 20050110991 A1	Methods and apparatus for evaluating rotary machinery	20050526 356/318
US 20050103014 A1	Dual loop exhaust gas recirculation system for diesel engines and method of operation	20050519 60/605.2
US 20050093214 A1	Spring mass damper system for turbine shrouds	20050505 267/136
US 20050084370 A1	Cooled turbine blade	20050421 416/95
US 20050074356 A1	Heat resisting steel, gas turbine using the steel, and components thereof	20050407 420/38
US 20050056313 A1	Method and apparatus for mixing fluids	20050317 137/3
US 20050042384 A1	Method of altering the frequency of blades for thermal fluid-flow machines	20050224 427/446
US 20050026095 A1	Multi-stage combustion using nitrogen-enriched air	20050203 431/2
US 20040225482 A1	Design and evaluation of actively cooled turbine components	20041111 703/2
US 20040219079 A1	Trifluid reactor	20041104 422/194
US 20040216458 A1	Electric motor assisted turbocharger	20041104 60/608
US 20040177618 A1	Methods for operating gas turbine engines	20040916 60/775
US 20040101402 A1	Turbine	20040527 415/160
US 20040093147 A1	Method and system for temperature estimation of gas turbine combustion cans	20040513 701/100
US 20040083731 A1	Uncoupled, thermal-compressor, gas-turbine engine	20040506 60/645
US 20040076540 A1	Welding material, gas turbine blade or nozzle and a method of repairing a gas turbine blade	20040422 420/450
US 20040069069 A1	Probe for measuring parameters of a flowing fluid and/or multiphase mixture	20040415 73/736
US 20040060298 A1	Dynamically uncoupled can combustor	20040401 60/772
US 20040025491 A1	Gas turbine set	20040212 60/39.182
US 20040020206 A1	HEAT ENERGY UTILIZATION SYSTEM	20040205 60/670
US 20030228225 A1	Turbine bucket	20031211 416/235
US 20030215330 A1	Turbines and their components	20031120 415/191
US 20030205042 A1	OVERTHRUST PROTECTION SYSTEM AND METHOD	20031106 60/204
US 20030194320 A1	Method of fabricating a shape memory alloy damped structure	20031016 416/96A
US 20030193331 A1	Method for in-situ eddy current inspection of coated components in turbine engines	20031016 324/240
US 20030156942 A1	Blades having coolant channels lined with a shape memory alloy and an associated fabricatic	20030821 416/96R
US 20030152879 A1	Multi-stage combustion using nitrogen-enriched air	20030814 431/8
US 20030084656 A1	Gas turbine set	20030508 60/39.5

US 20030083827 A1	Methods and systems for performing integrated analyses, such as integrated analyses for gas:	20030501 702/34
US 20030082053 A1	Repair of advanced gas turbine blades	20030501 416/224
US 20030065436 A1	Gas turbine and operation method of gas turbine combined electric generating plant, gas turbine	20030403 701/100
US 20030039542 A1	Transition piece side sealing element and turbine assembly containing such seal	20030227 415/135
US 20030036865 A1	Methods and systems for managing resources, such as engineering test resources	20030220 702/81
US 20030033813 A1	Cycle gas turbine engine	20030220 60/774
US 20030007866 A1	Shroud integral type moving blade and split ring of gas turbine	20030109 415/182.1
US 20030002975 A1	COMBUSTOR HOT STREAK ALIGNMENT FOR GAS TURBINE ENGINE	20030102 415/1
US 20030000221 A1	High pressure gas cycle and power plant	20030102 60/776
US 20020189229 A1	Gas turbine for power generation and combined power generation system	20021219 60/39.182
US 20020136638 A1	PRE-SEGMENTED SQUEALER TIP FOR TURBINE BLADES	20020926 416/223A
US 20020121414 A1	Friction vibration damper	20020905 188/268
US 20020100281 A1	Damper arrangement for reducing combustion-chamber pulsations	20020801 60/725
US 20020047071 A1	Lifting platform with energy recovery	20020425 244/199.1
US 20020046560 A1	High pressure gas cycle and power plant	20020425 60/39.39
US 20010040062 A1	Lifting platform	20011115 180/117
US 7104757 B2	Cooled turbine blade	20060912 416/97R
US 7064825 B2	Methods and apparatus for evaluating rotary machinery	20060620 356/318
US 7048782 B1	Apparatus and process for power recovery	20060523 95/269
US 7021896 B2	Turbine blade	20060404 416/97R
US 7021892 B2	Method for assembling gas turbine engine components	20060404 415/115
US 7003940 B2	System for control and regulation of the flame temperature for single-shaft gas turbines	20060228 60/39.25
US 6988365 B2	Dual loop exhaust gas recirculation system for diesel engines and method of operation	20060124 60/605.2
US 6972390 B2	Multi-laser beam welding high strength superalloys	20051206 219/121.64
US 6957541 B2	Gas turbine and operation method of gas turbine combined electric generating plant, gas turbine	20051025 60/782
US 6952639 B2	Method and system for temperature estimation of gas turbine combustion cans	20051004 701/100
US 6942203 B2	Spring mass damper system for turbine shrouds	20050913 267/160
US 6935119 B2	Methods for operating gas turbine engines	20050830 60/775
US 6932565 B2	Turbine	20050823 415/119
US 6908288 B2	Repair of advanced gas turbine blades	20050621 416/224
US 6886622 B2	Method of fabricating a shape memory alloy damped structure	20050503 164/98
US 6866092 B1	Two-phase heat-transfer systems	20050315 165/104.21
US 6846160 B2	Turbine bucket	20050125 416/190
US 6840048 B2	Dynamically uncoupled can combustor	20050111 60/772
US 6804612 B2	Methods and systems for performing integrated analyses, such as integrated analyses for gas:	20041012 702/34
US 6802695 B2	Turbines and their components	20041012 416/223R
US 6802405 B2	Friction vibration damper	20041012 188/268
US 6796123 B2	Uncoupled, thermal-compressor, gas-turbine engine	20040928 60/520
US 6790030 B2	Multi-stage combustion using nitrogen-enriched air	20040914 431/8
US 6739839 B1	First-stage high pressure turbine bucket airfoil	20040525 416/223A
US 6736596 B2	Shroud integral type moving blade and split ring of gas turbine	20040518 415/173.1
US 6707297 B2	Method for in-situ eddy current inspection of coated components in turbine engines	20040316 324/240
US 6701717 B2	Cycle gas turbine engine	20040309 60/792
US 6699015 B2	Blades having coolant channels lined with a shape memory alloy and an associated fabricator	20040302 416/96A
US 6655126 B2	Overthrust protection system	20031202 60/243
US 6644032 B1	Transition duct with enhanced profile optimization	20031111 60/752
US 6644012 B2	Gas turbine set	20031111 60/39.182
US 6632299 B1	Nickel-base superalloy for high temperature, high strain application	20031014 148/428

US 6632069 B1	Step of pressure of the steam and gas turbine with universal belt	20031014 415/173.5
US 6630113 B1	Methods and apparatus for treating waste	20031007 422/199
US 6616094 B2	Lifting platform	20030909 244/12.1
US 6606612 B1	Method for constructing composite response surfaces by combining neural networks with other	20030812 706/15
US 6579066 B1	Turbine bucket	20030617 416/243
US 6574966 B2	Gas turbine for power generation	20030610 60/806
US 6565680 B1	Superalloy weld composition and repaired turbine engine component	20030520 148/428
US 6554562 B2	Combustor hot streak alignment for gas turbine engine	20030429 415/1
US 6553752 B2	High pressure gas cycle and power plant	20030429 60/39.38
US 6547049 B1	Particle vibration damper	20030415 188/379
US 6546729 B2	Damper arrangement for reducing combustion-chamber pulsations	20030415 60/725
US 6546713 B1	Gas turbine for power generation, and combined power generation system	20030415 60/39.182
US 6542859 B1	Method for designing a cyclic symmetric structure	20030401 703/7
US 6481197 B2	High pressure gas cycle and power plant	20021119 60/39.39
US 6478537 B2	Pre-segmented squealer tip for turbine blades	20021112 415/173.1
US 6468367 B1	Superalloy weld composition and repaired turbine engine component	20021022 148/428
US 6464459 B2	Lifting platform with energy recovery	20021015 415/208.2
US 6454156 B1	Method for closing core printout holes in superalloy gas turbine blades	20020924 228/165
US 6379110 B1	Passively driven acoustic jet controlling boundary layers	20020430 415/119
US 6358004 B1	Steam turbine power-generation plant and steam turbine	20020319 415/200
US 6354799 B1	Superalloy weld composition and repaired turbine engine component	20020312 415/200
US 6305078 B1	Method of making a turbine blade	20011023 29/889.7
US 6302649 B1	Superalloy weld composition and repaired turbine engine component	20011016 415/200
US 6301872 B1	High pressure gas cycle and power plant	20011016 60/772
US 6231307 B1	Impingement cooled airfoil tip	20010515 416/97R
US 6224334 B1	Steam turbine, rotor shaft thereof, and heat resisting steel	20010501 415/199.5
US 6220086 B1	Method for ascertaining surge pressure ratio in compressors for turbines	20010424 731/18.2
US 6215678 B1	Arc plasma-joule heated melter system for waste treatment and resource recovery	20010410 363/126
US 6197424 B1	Use of high temperature insulation for ceramic matrix composites in gas turbines	20010306 428/402
US 6182439 B1	High and low pressure sides-integrating system turbine, long blades thereof and combined cy	20010206 60/39.182
US 6167693 B1	High pressure gas cycle and powder plant	20010102 60/39.38
US 6164055 A	Dynamically uncoupled low nox combustor with axial fuel staging in premixers	20001226 60/776
US 6162014 A	Turbine spline seal and turbine assembly containing such spline seal	20001219 415/170.1
US 6160238 A	Tunable molten oxide pool assisted plasma-melter vitrification systems	20001212 219/121.37
US 6146098 A	Tip shroud for cooled blade of gas turbine	20001114 416/97R
US 6129514 A	Steam turbine power-generation plant and steam turbine	20001010 415/200
US 6092989 A	Compressor for turbine and gas turbine	20000725 415/200
US 6074169 A	High and low pressure sides-integrating steam turbine, long blades thereof and combined cy	20000613 416/241R
US 6066825 A	Methods and apparatus for low NO _x emissions during the production of electricity from v	20000523 219/121.36
US 6062026 A	Turbocharging systems for internal combustion engines	20000516 60/605.2
US 6055805 A	Active rotor stage vibration control	20000502 60/226.1
US 6037560 A	Enhanced tunable plasma-melter vitrification systems	20000314 219/121.37
US 6018471 A	Methods and apparatus for treating waste	20000125 363/126
US 5983624 A	Power plant having a U-shaped combustion chamber with first and second reflecting surfaces	19991116 60/39.77
US 5964091 A	Gas turbine combustor and gas turbine	19991012 60/752
US 5943866 A	Dynamically uncoupled low NO _x combustor having multiple premixers with axial staging	19990831 60/737
US 5935718 A	Braze blocking insert for liquid phase brazing operation	19990810 428/577
US 5916382 A	High corrosion resistant high strength superalloy and gas turbine utilizing the alloy	19990629 148/404

US 5913184 A	Method and device for diagnosing and predicting the operational performance of a turbine pl	1990615 702/182
US 5908516 A	Titanium Aluminum alloys containing Boron, Chromium, Silicon and Tungsten	1990601 148/421
US 5906096 A	Compressor for turbine and gas turbine	1990525 60/805
US 5847353 A	Methods and apparatus for low NO.sub.x emissions during the production of electricity from v	19981208 219/121.36
US 5840434 A	Thermal stress relaxation type ceramic coated heat-resistant element and method for produci	19981124 428/689
US 5829955 A	Steam turbine	19981103 416/191
US 5811752 A	Enhanced tunable plasma-melter vitrification systems	19980922 219/121.37
US 5785492 A	Method and apparatus for sealing a gas turbine stator vane assembly	19980728 415/173.7
US 5760593 A	Gap measurement device	19980602 324/662
US 5756957 A	Tunable molten oxide pool assisted plasma-melter vitrification systems	19980526 588/311
US 5749220 A	Turbocharged RAM tornado engine with transmission and heat recovery system	19980512 60/805
US 5740668 A	High efficiency gas turbine	19980421 60/805
US 5739524 A	Dynamic distance and position sensor and method of measuring the distance and the positio	19980414 250/227.11
US 5644394 A	System for repairing damaged gas turbine engine airfoils	19970701 356/241.5
US 5630314 A	Thermal stress relaxation type ceramic coated heat-resistant element	19970520 60/39.182
US 5624235 A	Steam turbine, rotor shaft thereof, and heat resisting steel	19970429 416/241R
US 5620307 A	Laser shock peened gas turbine engine blade tip	19970415 416/241R
US 5612497 A	Adaptor for monitoring a pressure sensor to a gas turbine housing	19970318 73/756
US 5611670 A	Blade for gas turbine	19970318 416/241R
US 5603604 A	Method and apparatus for enhancing gas turbo machinery flow	19970218 415/208.1
US 5601402 A	Turbo machine shroud-to-rotor blade dynamic clearance control	19970211 415/173.2
US 5594665 A	Process and device for monitoring and for controlling of a compressor	19970114 700/301
US 5575145 A	Gas turbine repair	19961119 60/772
US 5553501 A	Vibration testing on rotating machine components	19960910 73/662
US 5541857 A	Process and device for monitoring vibrational excitation of an axial compressor	19960730 700/280
US 5528903 A	Small gas turbine	19960625 60/736
US 5518369 A	Gas turbine blade retention	19960521 416/193A
US 5511721 A	Braze blocking insert for liquid phase brazing operations	19960430 228/216
US 5507623 A	Alloy-coated gas turbine blade and manufacturing method thereof	19960416 416/241R
US 5487266 A	Combustion control for producing low NO.sub.x emissions through use of flame spectroscopy	19960130 60/776
US 5486091 A	Gas turbine airfoil clocking	19960123 415/194
US 5478207 A	Stable blade vibration damper for gas turbine engine	19951226 416/219R
US 5473882 A	Combustion apparatus for a gas turbine having separate combustion and vaporization zones	19951212 60/776
US 5428953 A	Combined cycle gas turbine with high temperature alloy, monolithic compressor rotor	19950704 60/39.182
US 5385012 A	Bleed valve control	19950131 60/779
US 5383768 A	Steam turbine, rotor shaft thereof, and heat resisting steel	19950124 416/241R
US 5379584 A	Synthesis of critical temperature of a turbine engine	19950110 60/204
US 5365787 A	Noninvasive method and apparatus for determining resonance information for rotating machi	19941122 73/660
US 5360318 A	Compressor for gas turbine and gas turbine	19941101 415/216.1
US 5340276 A	Method and apparatus for enhancing gas turbo machinery flow	19940823 415/208.1
US 5338155 A	Multi-zone diffuser for turbomachine	19940816 415/211.2
US 5332358 A	Uncoupled seal support assembly	19940726 415/174.5
US 5321949 A	Staged fuel delivery system with secondary distribution valve	19940621 60/739
US 5303684 A	Combustion control for producing low NO.sub.x emissions through use of flame spectroscopy	19940419 123/435
US 5281097 A	Thermal control damper for turbine rotors	19940125 416/193A
US 5257496 A	Combustion control for producing low NO.sub.x emissions through use of flame spectroscopy	19931102 60/773
US 5228835 A	Gas turbine blade seal	19930720 416/193A
US 5226731 A	Apparatus for measuring rotor exhaust gas bulk temperature in a combustion turbine and mei	19930713 374/124

US 5222742 A	Seal arrangement	19930629 277/420
US 5211540 A	Shrouded aerofoils	19930518 416/190
US 5201850 A	Rotor tip shroud damper including damper wires	19930413 416/190
US 5154583 A	Rotor of a pressure wave machine	19921013 417/64
US 5152172 A	Operating turbine resonant blade monitor	19921006 73/579
US 5116200 A	Apparatus and methods for minimizing vibrational stresses in axial flow turbines	19920526 415/183
US 5042245 A	Method and system for controlling variable compressor geometry	19910827 60/773
US 5031313 A	Method of forming F.O.D.-resistant blade	19910716 29/889.1
US 4996880 A	Operating turbine resonant blade monitor	19910305 73/660
US 4968216 A	Two-stage fluid driven turbine	19901106 415/199.5
US 4961686 A	F.O.D.-resistant blade	19901009 416/223A
US 4872812 A	Turbine blade plateform sealing and vibration damping apparatus	19891010 416/190
US 4803639 A	X-ray inspection system	19890207 702/40
US 4744726 A	Turboset with at least one low-pressure turbine stage having an outer housing and an inner h	19880517 415/199.4
US 4710099 A	Multi-stage turbine	19871201 415/199.5
US 4677034 A	Coated superalloy gas turbine components	19870630 428/678
US 4662820 A	Turbine stage structure	19870505 415/173.6
US 4659289 A	Turbine side plate assembly	19870421 416/198A
US 4657476 A	Variable area turbine	19870414 415/48
US 4512718 A	Tandem fan stage for gas turbine engines	19850423 416/231B
US 4497613 A	Tapered core exit for gas turbine bucket	19850205 416/228
US 4447190 A	Fluid pressure control in a gas turbine engine	19840508 416/95
US 4425763 A	Coal-fired steam locomotive	19840117 60/693
US 4423333 A	Method and apparatus for detecting and identifying excessively vibrating blades of a turboma	19831227 73/660
US 4405659 A	Method for producing columnar grain ceramic thermal barrier coatings	19830920 427/248.1
US 4401697 A	Method for producing columnar grain ceramic thermal barrier coatings	19830830 427/250
US 4327294 A	Combined cycle electric power plant and a gas turbine having an improved overspeed protec	19820427 290/40C
US 4321311 A	Columnar grain ceramic thermal barrier coatings	19820323 428/623
US 4292807 A	Variable geometry turbosupercharger system for internal combustion engine	19811006 60/601
US 4282709 A	Gas turbine-transmission plant	19810811 60/39.163
US 4215412 A	Real time performance monitoring of gas turbine engines	19800729 701/100
US 4195231 A	Combined cycle electric power plant having an improved digital/analog hybrid gas turbine cor	19800325 290/40R
US 4190398 A	Gas turbine engine and means for cooling same	19800226 415/114
US 4190094 A	Rate controlled directional solidification method	19800226 164/122.1
US 4185455 A	Fuel pulsation-suppression for gas turbine combustion system	19800129 60/776
US 4177692 A	Shaft balancing	19791211 464/180
US 4177013 A	Compressor rotor stage	19791204 416/193A
US 4167096 A	Combined cycle electric power plant and a gas turbine having an improved overspeed protec	19790911 60/39.281
US 4144768 A	Apparatus for analyzing complex acoustic fields within a duct	19790320 73/646
US 4132816 A	Gas phase deposition of aluminum using a complex aluminum halide of an alkali metal or an	19790102 427/237
US 4122668 A	Iris control for gas turbine engine air brake	19781031 60/792
US 4112677 A	Thrust spoiler for turbofan engine	19780912 60/226.1
US 4111603 A	Ceramic rotor blade assembly for a gas turbine engine	19780905 416/95
US 4083648 A	Gas turbine construction	19780411 415/137
US 4059972 A	Turbine shaft balancing	19771129 464/23
US 4053227 A	Method and apparatus for automatic and contactless measurement of the height of moving bl	19771011 356/3.02
US 4045955 A	Regulating means for gas turbine plant	19770906 60/39.281
US 4034558 A	Cooling apparatus for split shaft gas turbine	19770712 60/791

US 4028884 A	Control apparatus for controlling the operation of a gas turbine inlet guide vane assembly and	19770614 60/39.182
US 4011718 A	Gas turbine construction	19770315 60/796
US 3977184 A	Electric power plant having a gas turbine with an improved wide range surge protection system	19760831 60/39.182
US 3976399 A	Rotor of disc construction for single-shaft gas turbine	19760824 416/201R
US 3974645 A	Control apparatus for matching the exhaust flow of a gas turbine employed in a combined cycle	19760817 60/794
US 3973391 A	Control apparatus for modulating the inlet guide vanes of a gas turbine employed in a combined cycle	19760810 60/794
US 3965674 A	Combined cycle electric power plant and a gas turbine having a backup control system with a turbine shaft balancing	19760629 60/39.182
US 3964342 A	Integrated flow washboard turbine	19760622 74/570.1
US 3955360 A	Vane damping	19760511 60/804
US 3932056 A	LOW POLLUTION VAPOR ENGINE SYSTEMS	19760113 415/209.4
US 3861150 A	ICEBREAKING	19750121 60/670
US 3850125 A	VAPOR GENERATORS WITH LOW POLLUTANT EMISSION	19741126 114/40
US 3846065 A	ABLATIVE SEAL	19741105 431/347
US 3836156 A	BLADED ROTORS	19740917 277/415
US 3761200 A	VANE RINGS	19730925 416/220R
US 3739580 A	PROPULSION SYSTEM CONTROL	19730807 415/195
US 3726604 A	COOLED JET FLAP VANE	19730619 60/204
US 3651640 A	GAS TURBINE ENGINE WITH AERODYNAMIC TORQUE CONVERTER DRIVE	19730410 415/115
US 3598211 A	SPEED-RESPONSIVE CLUTCH	19720328 60/39.24
JP 2001329856 A	GAS TURBINE, ITS FATIGUE DIAGNOSTIC DEVICE, AND ITS FATIGUE DIAGNOSTIC METHOD	19710810 477/30
JP 11141307 A	CONTROL DEVICE FOR PREVENTING VIBRATION OF ROTOR STAGE OF GAS TURBINE	20011130
EP 1101947 A	Rub resistant compressor stage for gas turbine e.g. aircraft, has one of the lands of casing st	19990525
JP 10331659 A	Gas turbine blade composition for combined cycle power plants - includes nickel group alloys	20010523
EP 676012 B	Anti-sound generators for multi-stage gas turbine blade cascades - has vibration isolated ac	19981215
DE 4209046 A	Small gas turbine for driving model aircraft - has compressor running wheel equipped with co	19980422
EP 475428 A	Large blades for power generation gas turbine - produced as single crystal nickel-base alloy	19930923
US 4512718 A	Tandem fan stage for gas turbine engine - has secondary fan blades coextensive with first ov	19920318
EP 62558 A	Wheel for gas turbine - has air passages between hub and blade roots for cooling	19850423
FR 2265990 A	Electronic fuel control system for gas turbine - controls fuel supply and degree of opening of t	19821013
US 3677746 A	HEAT TREATABLE ALLOY	19751128
US 3609968 A	SELF-ADJUSTING SEAL STRUCTURE	19720718 148/410
US 3546880 A	COMPRESSORS FOR GAS TURBINE ENGINES	19711005 60/799
US 3543873 A	TURBINE AND ELECTRIC POWERED VEHICLE	19701215 60/792
US 3504279 A	NONCONTACT INTERRUPTED SURFACE INSPECTION APPARATUS PROVIDING AN EL	19701201 180/65.2
US 3452782 A	FLUID DISCHARGE CASING	19700331 324/662
US 3421317 A	ELECTRICAL CONTROL SYSTEMS FOR ENGINES	19690701 138/37
US 3417564 A	Jet engine with relatively rotatable combustion means, intake manifold and exhaust manifold	19690114 60/39.281
US 3300966 A	Control mechanism for adjustable gas turbine nozzle	19681224 60/39.34
US 3183667 A	Fuel control system for a gas turbine engine	19670131 60/791
US 3169747 A	Rotary bladed power conversion machines	19650518 60/39.281
US 3137134 A	Combined gas-steam cycle installations for boilers incorporating pressurised furnaces	19650216 415/195
US 3127129 A	OCR SCANNED DOCUMENT	19640616 60/39.182
US 3106062 A	Torque and power sensing and control system for gas turbine engines	19640331 244/23B
US 3095030 A	Hydro-mechanical governor	19631008 60/791
US 3093968 A	Method and apparatus for augmenting the drive of a gas turbine	19630625 60/243
US 3056454 A	Fuel systems for propeller-driving gas turbine engines	19630618 60/39.21
US 3048014 A	Combustion chamber for jets and similar engines	19621002 416/29
		19620807 60/39.23

US 3044262 A	Control mechanism for adjustable gas turbine nozzle	19620717 60/791
US 3018623 A	Explosion gas turbines	19620130 60/804
US 2948506 A	Damping turbine buckets	19600809 415/191
US 2943839 A	Elastic fluid mechanism	19600705 415/192
US 2926494 A	Fuel control system	19600301 60/39.281
US 2857132 A	Turbine wheel	19581021 416/92
US 2743578 A	Turbojet engine control system	19560501 60/39.281
US 2709893 A	Gas turbine power plant with heat exchanger and cooling means	19550607 60/39.511
US 2700872 A	Fuel control apparatus for internal combustion engines	19550201 60/39.281
US 2697908 A	System for accelerating engines to selected speeds and maintaining the speed selected	19541228 60/39.281
US 2668006 A	Turbocharger	19540202 416/171
US 2618431 A	Control system for gas turbine air compressor plants	19521118 417/28
US 2617253 A	Safety control system for cooling a gas turbine power plant on shutdown	19521111 60/39.091
US 2575237 A	Multistage bladed rotor	19511113 416/201R
US 2565324 A	Gas turbine with throttling air turbine in compressor intake	19510821 60/795
US 2559623 A	Turbo-supercharger system having controlled inlet and exhaust waste gates	19510710 417/29
US 2540991 A	Gas reaction aircraft power plant	19510206 244/209
US 2500234 A	Compressor surge control for exhaust turbine driven superchargers	19500314 60/600
US 2410588 A	Turbine blade and assembly thereof	19461105 415/173.6
US 2409446 A	Airplane power plant	19461015 416/33
US 20070083338 A1	Fundamental mistuning model for determining system properties and predicting vibratory response	20070412 702/56
US 20070001464 A1	System and method for installing a wind turbine at an offshore location	20070104 290/55
US 20060177314 A1	Turbine rotor blade and turbine	20060810 416/219R
US 20050278127 A1	Determination of damping in bladed disk systems using the fundamental mistuning model	20051215 702/56
US 20050254958 A1	Natural frequency tuning of gas turbine engine blades	20051117 416/248
US 20050160598 A1	Locomotive diesel engine turbocharger and turbine stage constructed with turbine blade vibration	20050728 29/889.2
US 20050042384 A1	Method of altering the frequency of blades for thermal fluid-flow machines	20050224 427/446
US 20040243310 A1	Fundamental mistuning model for determining system properties and predicting vibratory response	20041202 702/10
US 20020146322 A1	Vibration damping	20021010 416/190
US 20020057969 A1	Steam turbine	20020516 416/238
US 7206709 B2	Determination of damping in bladed disk systems using the fundamental mistuning model	20070417 702/85
US 7182577 B2	Turbine rotor blade and turbine	20070227 416/191
US 7082371 B2	Fundamental mistuning model for determining system properties and predicting vibratory response	20060725 702/56
US 6779979 B1	Methods and apparatus for structurally supporting airfoil tips	20040824 416/236R
US 6695588 B1	Damping of oscillations in wind turbines	20040224 416/244R
US 6659725 B2	Vibration damping	20031209 416/190
US 6568908 B2	Steam turbine	20030527 416/190
US 6439838 B1	Periodic stator airfoils	20020827 415/119
US 6341941 B1	Steam turbine	20020129 416/190
US 6299410 B1	Method and apparatus for damping vibration in turbomachine components	20011009 416/145
US 6223524 B1	Shrouds for gas turbine engines and methods for making the same	20010501 60/226.1
US 6094989 A	Method and apparatus for analyzing non-synchronous blade vibrations using unevenly spaced	20000801 73/659
US 6042338 A	Detuned fan blade apparatus and method	20000328 416/203
US 5924845 A	Centrifugal pendulum absorber for engine blades	19990720 416/145
US 5524341 A	Method of making a row of mix-tuned turbomachine blades	19960611 29/889.7
US 5498136 A	Fluid machinery having blade apparatus and blade apparatus for fluid machinery	19960312 416/190
US 5206816 A	System and method for monitoring synchronous blade vibration	19930427 702/56

US 5156529 A	Integral shroud blade design	19921020 416/190
US 4924706 A	Method and apparatus for determining resonant frequency of a turbine blade made of a metal	19900515 73/579
US 4512718 A	Tandem fan stage for gas turbine engines	19850423 416/231B
US 4118147 A	Composite reinforcement of metallic airfoils	19781003 416/230
US 4108573 A	Vibratory tuning of rotatable blades for elastic fluid machines	19780822 416/236A
US 4076455 A	Rotor blade system for a gas turbine engine	19780228 416/191
JP 2002201904 A	NATURAL FREQUENCY ADJUSTING RIB OF TURBINE MOVING BLADE	20020719
US 20050254958 A	Blade for gas turbine engine, has tuning notch defined in root of blade to tune natural frequency	20051117
SU 1130775 A	Determination of friction in turbine blade damper by resonance - using two natural vibration frequencies	19841223
US 3556675 A	TURBOMACHINERY ROTOR WITH INTEGRAL SHROUD	19710119 416/190
US 3367629 A	Continuous shroud for rotor blades	19680206 416/190
US 3044746 A	Fluid-flow machinery blading	19620717 416/241R
US 3023610 A	Method of and apparatus for carrying out fatigue tests of turbine blades	19620306 73/578

10762396

James Heilenbach et al.

EAST SEARCH

5/31/2007

L#	Hits	Search String	Databases
L1	456	diesel engine same turbocharger	US-PGPUB
L2	8	1 and (engine with (throttle near2 setting))	US-PGPUB
L3	6	2 and ((throttle near2 setting) with speed)	US-PGPUB
L4	2	3 and ((throttle near2 setting) with (turbine or turbocharger) with speed)	US-PGPUB
L5	57	1 and (throttle.CLM.)	US-PGPUB
L6	154	1 and (speed.CLM.)	US-PGPUB
L7	47	1 and (setting.CLM.)	US-PGPUB
L8	32	6 and 7	US-PGPUB
L10	22	1 and ((turbine or turbocharger) with blade)	US-PGPUB
L11	1	10 and (blade with (excitation or vibration) with frequency)	US-PGPUB
L12	1	10 and ((excitation or vibration) with frequency)	US-PGPUB
L13	4267	(turbine or turbocharger) with blade	US-PGPUB
L14	19	13 and (blade with (excitation or vibration) with frequency)	US-PGPUB
L15	85	13 and (natural with frequency)	US-PGPUB
L16	94	14 or 15	US-PGPUB
L17	13	16 and (excitation.CLM.)	US-PGPUB
L18	28	16 and (vibration.CLM.)	US-PGPUB
L19	24	16 and (natural.CLM.)	US-PGPUB
L20	8	16 and (resonant.CLM.)	US-PGPUB
L21	45	17 or 18 or 19 or 20	US-PGPUB

10762396

James Heilenbach et al.

EAST SEARCH

5/31/2007

Results of search set S91:

Document Kind	Codes	Title
US 20070056282	A1	Diesel engine charge air cooler bypass passage and method
US 20070039589	A1	Emissions sensors for fuel control in engines
US 20060266336	A1	Method and system for controlling fuel injection timing to maintain desired peak cylinder pres:
US 20060219223	A1	Compression-ignition engine configuration for reducing pollutants and method and system thi
US 20060207526	A1	Method and device for operating an internal combustion engine
US 20060196183	A1	Supercharging assist control system and method
US 20060178800	A1	Diesel engine control

Issue Date	Current OR	Abstract
20070315	60/599	
20070222	123/352	
20061130	123/501	
20061005	123/501	
20060921	123/1R	
20060907	60/607	
20060810	701/105	

US 20060144364 A1	BAROMETRIC PRESSURE DIESEL TIMING CONTROLLER	20060706 123/380
US 20060137347 A1	Coordinated multivariable control of fuel and air in engines	20060629 60/605.2
US 20060137346 A1	Multivariable control for an engine	20060629 60/605.2
US 20050188695 A1	Engine control device	20050901 60/605.2
US 20050160598 A1	Locomotive diesel engine turbocharger and turbine stage constructed with turbine blade vibra	20050728 29/889.2
US 20050146221 A1	[A VARIABLE FREQUENCY POWER SYSTEM AND METHOD OF USE]	20050707 307/64
US 20050039440 A1	Combustion control apparatus for internal combustion engine	20050224 60/274
US 20050000216 A1	Method and device for regulating the boost pressure of an internal combustion engine	20050106 60/611
US 20040255583 A1	CONTROL SYSTEM FOR A TURBO-CHARGED DIESEL AIRCRAFT ENGINE	20041223 60/611
US 20040250540 A1	Variable blade manufacturing method and variable blade in vgs type turbo charger	20041216 60/602
US 20040163378 A1	Catalyst warm up control for diesel engine	20040826 60/284
US 20040069256 A1	Variable timing device for reciprocating engines, engines comprising same and distribution ai	20040415 123/90.12
US 20040031267 A1	CONTROL SYSTEM FOR A TURBO-CHARGED DIESEL AIRCRAFT ENGINE	20040219 60/601
US 20030140623 A1	Fuel injection control for diesel engine	20030731 60/297
US 20030126857 A1	Exhaust gas purification apparatus and process for internal combustion engine	20030710 60/278
US 20030110760 A1	Excess air factor control of diesel engine	20030619 60/278
US 20030051474 A1	Control of supercharger	20030320 60/602
US 20030014973 A1	IC engine-turbocharger unit for a motor vehicle, in particular an industrial vehicle, with turbine	20030123 60/602
US 20020179072 A1	Fuel injection control device for a diesel engine	20021205 123/698
US 20020175521 A1	Method and apparatus for controlling engine overspeed due to lube oil ingestion	20021128 290/40A
US 20020170546 A1	DIESEL ENGINE CONTROL	20021121 123/568.27
US 20020170291 A1	Control of turbocharger	20021121 60/602
US 20020124832 A1	Excess air factor control device for internal combustion engine	20020912 123/480
US 20020116926 A1	Exhaust gas turbocharger for an internal combustion engine and a corresponding method	20020829 60/611
US 20010032466 A1	Intelligent electric actuator for control of a turbocharger with an integrated exhaust gas recirc	20011025 60/602
US 20070083338 A1	Fundamental mistuning model for determining system properties and predicting vibratory res	20070412 702/56
US 20060147306 A1	VIBRATION REDUCTION SYSTEM FOR A WIND TURBINE	20060706 416/1
US 20060115364 A1	Offshore structure support and foundation for use with a wind turbine and an associated met	20060601 416/244R
US 20060104821 A1	Offshore structure support and foundation for use with a wind turbine and an associated met	20060518 416/244R
US 20060073022 A1	Frequency tailored thickness blade for a turbomachine wheel	20060406 416/223R
US 20060066111 A1	Vibration damping system and method for variable speed wind turbines	20060330 290/44
US 20060029501 A1	Mixed tuned hybrid blade related method	20060209 416/224
US 20060006860 A1	Device for detecting a rotation rate	20060112 324/164
US 20050280549 A1	Proximity sensor	20051222 340/686.6
US 20050278127 A1	Determination of damping in bladed disk systems using the fundamental mistuning model	20051215 702/56
US 20050254958 A1	Natural frequency tuning of gas turbine engine blades	20051117 416/248
US 20050214113 A1	Compressor for an aircraft engine	20050929 415/181
US 20050196268 A1	High modulus metallic component for high vibratory operation	20050908 415/20
US 20050186074 A1	Moving blade and gas turbine using the same	20050825 416/97R
US 20050167596 A1	System and method for multiple mode flexible excitation in sonic infrared imaging	20050804 250/341.6

US 20050160598 A1	Locomotive diesel engine turbocharger and turbine stage constructed with turbine blade vibr	20050728 29/889.2
US 20050129516 A1	Turbine blade frequency tuned pin bank	20050616 416/97R
US 20050126171 A1	Uncoupled, thermal-compressor, gas-turbine engine	20050616 60/645
US 20050096873 A1	METHOD AND SYSTEM FOR DIAGNOSTICS AND PROGNOSTICS OF A MECHANICAL SY	20050505 702/184
US 20050084380 A1	Hollow turbine blade stiffening	20050421 416/233
US 20050056313 A1	Method and apparatus for mixing fluids	20050317 137/3
US 20050047919 A1	METHODS AND APPARATUS FOR REDUCING VIBRATIONS INDUCED TO COMPRESSOR	20050303 416/235
US 20050008492 A1	Blades	20050113 416/229R
US 20040262276 A1	Real time laser shock peening quality assurance by natural frequency analysis	20041230 219/121.85
US 20040243310 A1	Fundamental mistuning model for determining system properties and predicting vibratory res	20041202 702/10
US 20040241003 A1	Turbine blade dimple	20041202 416/236R
US 20040219024 A1	Making turbomachine turbines having blade inserts with resonant frequencies that are adjust	20041104 416/219R
US 20040126235 A1	Method and apparatus for bucket natural frequency tuning	20040701 416/1
US 20040096375 A1	Device for producing a plasma, ionisation method, use of said method and production proces	20040520 422/186.04
US 20040089812 A1	System and method for multiple mode flexible excitation and acoustic chaos in sonic infrared	20040513 250/341.6
US 20040083731 A1	Uncoupled, thermal-compressor, gas-turbine engine	20040506 60/645
US 20040069069 A1	Probe for measuring parameters of a flowing fluid and/or multiphase mixture	20040415 73/736
US 20040060294 A1	Steam engine	20040401 60/670
US 20030230150 A1	Transducer and method for measuring a fluid flowing in a pipe	20031218 73/861.32
US 20030222640 A1	Turbine blade clearance on-line measurement system	20031204 324/207.17
US 20030202883 A1	TURBINE BLADE ASSEMBLY WITH STRANDED WIRE CABLE DAMPERS	20031030 416/248
US 20030194324 A1	Turbine blade assembly with pin dampers	20031016 416/248
US 20030115879 A1	Gas turbine combustor	20030626 60/725
US 20020162394 A1	Analysing vibration of rotating blades	20021107 73/593
US 20020146322 A1	Vibration damping	20021010 416/190
US 20020081206 A1	Turbine bucket natural frequency tuning rib	20020627 416/233
US 20020074102 A1	Method using secondary orientation to tune bucket natural frequency	20020620 164/122.2
US 20020064458 A1	Frequency-mistuned light-weight turbomachinery blade rows for increased flutter stability	20020530 415/208.3
US 20020057969 A1	Steam turbine	20020516 416/238
US 20020017144 A1	Device and method for fatigue testing of materials	20020214 73/808